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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/760,686	01/16/2001	Sanjay Agarwal		4090
75	590 11/25/2003	EXAMINER		
SANJAY AG CHIPSOL, Inc.		CAO, CHUN		
4702 CHEENE		New Y	ART UNIT	PAPER NUMBER
SANTA CLAR		$\mathcal{AP}^{\mathcal{F}}$	2185	2
15 BY AN			DATE MAILED: 11/25/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Appli	cation No.	Applicant(s)			
		60,686	AGARWAL, SANJAY			
Office Action Summary	Exam	iner	Art Unit			
	Chun		2185			
The MAILING DATE of this community Period for Reply	ınication appears oı	the cover sheet with	h the correspondence address	í 		
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMMUI - Extensions of time may be available under the provisio after SIX (6) MONTHS from the mailing date of this cor - If the period for reply specified above is less than thirty - If NO period for reply is specified above, the maximum - Failure to reply within the set or extended period for reply any reply received by the Office later than three month: - Any reply received by the Office later than three month: - eamed patent term adjustment. See 37 CFR 1.704(b). Status	NICATION. ns of 37 CFR 1.136(a). In r nmunication. (30) days, a reply within the statutory period will apply a bly will, by statute, cause the	no event, however, may a repetation of thirty and will expire SIX (6) MONT e application to become ABA	oly be timely filed (30) days will be considered timely. HS from the mailing date of this communication. INDONED (35 U.S.C. § 133).	cation.		
1) Responsive to communication(s) fi	led on <u>16 January</u>	<u>2001</u> .				
2a) This action is FINAL .	☐ This action is FINAL . 2b) ☐ This action is non-final.					
 Since this application is in condition closed in accordance with the practice. 				ts is		
Disposition of Claims						
4a) Of the above claim(s) is/s 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 and 9-13 is/are rejected. 7) ☐ Claim(s) 2-8 is/are objected to. 8) ☐ Claim(s) are subject to restr	l.					
Application Papers						
9) The specification is objected to by to the specification is objected to by the specific transfer of transf	e: a) accepted of accepted of accepted of accepted of accepted of accepted	(s) be held in abeyanc quired if the drawing(s	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR 1.1:			
Priority under 35 U.S.C. §§ 119 and 120						
12) Acknowledgment is made of a claim a) All b) Some col None of: 1. Certified copies of the priorit 2. Certified copies of the priorit 3. Copies of the certified copies application from the Internati * See the attached detailed Office acti 13) Acknowledgment is made of a claim since a specific reference was includ 37 CFR 1.78. a) The translation of the foreign la 14) Acknowledgment is made of a claim reference was included in the first se	y documents have I y documents have I s of the priority docu- ional Bureau (PCT) ion for a list of the c for domestic priorit ed in the first sente anguage provisiona for domestic priorit	been received. been received in Appuments have been received in Appuments have been received and	plication No eceived in this National Stage eceived. 119(e) (to a provisional application Data in the received. § 120 and/or 121 since a specification by the stage in	cation) Sheet. cific		
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (3) Information Disclosure Statement(s) (PTO-1449)			mmary (PTO-413) Paper No(s) ormal Patent Application (PTO-152)	<u> </u>		

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Art Unit: 2185

DETAILED ACTION

- 1. Claims 1-13 are presented for examination.
- 2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. The current title is imprecise.

Claim Rejections - 35 U.S.C. § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 4. Claims 1 and 9-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
 - a). The following term lack antecedent basic:

the plurality of values --claim 1, line 6;
the previously designed levels -- claim 1, line 6;
the pulse width modulated waveforms --claim 1, line 10;
the noise levels -- claim 9, line 3;
the drive state -- claim 10, line 1.

Claim Rejections - 35 U.S.C. § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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6. Claims 9-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Giorgio (Giorgio), US patent no. 5,905,867 in view of Sakurai (Sakurai), JP Patent No. 11-065713.

As per claim 9, Giorgio teaches a method of operating networking equipment having a power management processor [42, fig. 2] and a plurality of cooling and ventilation systems [figures 1, 2; col. 5, lines 19-23], said method of comprising the steps of:

dynamically adapting the cooling and ventilation system to change fans speed in the networking equipment vicinity [col. 3, lines 22-39].

Giorgio is silent of dynamically adapting dynamically adapting the cooling and ventilation system to change noise levels in the networking equipment vicinity.

Sakurai teaches of dynamically adapting dynamically adapting the cooling and ventilation system to change noise levels in the networking equipment vicinity [fig. 1; abstract all; english translation, paragraphs 0005, 0014].

It would have been obvious to one of ordinary skill in the art at the time the invention to combine the teachings of Giorgio and Sakurai because they both teach a method of controlling cooling and ventilation system, and the specify teachings of Sakurai states above would improve the power consumption of Giorgio system and further reducing noise levels of Giorgio system.

As per claim 10, Sakurai teaches of controlling drive state of cooling system fans in the networking equipment facility [english translation, paragraph 0016; fig .2].

As per claim 11, Giorgio teaches that the networking equipment is a Storage Area Network (SAN) network equipment [fig. 1; col. 4, lines 13-26].

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7. Claims 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Giorgio

(Giorgio), US patent no. 5,905,867 in view of Sakurai (Sakurai), JP Patent No. 11-065713 and

Application Admitted Prior Art (AAPA).

As to claims 12 and 13, Giorgio and Sakurai do not explicitly teach the limitations as set

forth in claims 12 and 13. However, Official Notice is taken that wireless networking equipment

and wired networking equipment is old and well known in the computer art. Inherently, AAPA

teaches that the networking equipment is wired, storage and wireless networking equipment

[page 2, lines 1-3]. It would have been obvious to one of ordinary skill in the art at the time of

applicant's invention to include wired, storage and wireless networking equipment for utilizing

the invention because this would maximizing the function of the system.

Allowable Subject Matter

8. Claim 1 would be allowable if rewritten or amended to overcome the rejection(s) under

35 U.S.C. 112, second paragraph, set forth in this Office action.

9. Claims 2-8 are objected to as being dependent upon a rejected base claim, but would be

allowable if rewritten in independent form including all of the limitations of the base claim and

any intervening claims.

10. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Thomas et al., US patent no. 6,487,668, teaches of applying a pulse width modulated

waveform to control the cooling fan [col. 8, lines 12-18].

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

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Washington, D.C. 20231

or faxed to:

(703) 746-7239, (for formal communications intended for entry)

Or:

(703) 746-7240 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao at (703) 308-6106. The examiner can normally be reached on Monday-Friday from 7:30 am - 4:00 pm. If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor Thomas Lee can be reached at (703) 305-9717. The fax number for this Art Unit are followings: After-Final (703) 746-7238; Official (703) 746-7239; Non-Official (703) 746-7240.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 306-5631.

Chun Cao

Nov. 18, 2003

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